SECOND announcement and call for registration

EURADOS Annual Meeting 2021

AM2021

VIRTUAL MEETING

INVITATION

Dear EURADOS Community,

Normal life continues to be affected by the COVID-19 pandemic. In this normal life, it had become a tradition to meet with the whole EURADOS community in the beginning of each year. But unfortunately it will not be possible to have our beloved Annual Meeting in Belgrade in 2021. Given the large uncertainties about the pandemic, we are forced to change our habits by turning our traditional Annual Meeting into a totally virtual event.

As in previous years, the AM2021 will include the official EURADOS General Assembly that will take place online on 3 February 2021 (see agenda below).

The meetings of all the EURADOS Working Groups will take place online within the two weeks before the General Assembly between 19 January and 2 February 2021 (see agenda below).

To support the EURADOS commitment of education and training, we will still organise a Winter School. This 14th EURADOS Winter School will be devoted to the topic of "Foetal radiation risk: dose assessment in occupational, medical and emergency situations". This event will take place online on 3 and 4 February 2021 (see agenda below).

The intercomparison IC2019$_{exteye}$ virtual participants' meeting will be organised in the first months of 2021. The dates will be communicated as soon as possible.

Despite the very special circumstances, we hope that this event will enable the dosimetry community to stay in touch, strengthen existing contacts and develop new ones, and foster the emergence of innovative scientific ideas.

We do hope that in 2022 we will be able to meet in person again in Belgrade, Serbia!

Filip Vanhavere
Chairperson EURADOS

TIMETABLES

EURADOS General Assembly and Winter School (UTC+1 = Brussels time)

Time (UTC+1)	Wednesday 03.02.2021	Thursday 04.02.2021
09.00-09.30	**33rd EURADOS General Assembly[1)]**	
09.30-10.00		
10.00-10.30		
10.30-10.45	Break	
10.45-11.30	**33rd EURADOS General Assembly[1)]**	
11.30-12.00		
12.00-12.30		
12.30-13.00		
13.00-13.30	Break	
13.30-14.00		
14.00-14.30		
14.30-15.00	**14th EURADOS Winter School[2)]**	**14th EURADOS Winter School[2)]**
15.00-15.30		
15.30-16.00		
16.00-16.30	Break	Break
16.30-17.00	**14th EURADOS Winter School[2)]**	**14th EURADOS Winter School[2)]**
17.00-17.30		
17.30-18.00		

[1)] See agenda of the General Assembly on page 4.

[2)] Topic of the Winter School: "Foetal radiation risk: dose assessment in occupational, medical and emergency situations". See details on pages 5 and 6.

EURADOS Working Group Meetings (UTC+1)

The following tables list the Working Groups (WG), and contacts, as well as the dates (page 3) of the meetings that will take place online within the two weeks before the General Assembly. The agenda for each WG meeting will be distributed in advance to the WG members.

Participants are primarily the members of the WG, but they are also open to any interested person.

Working groups	WG Chairperson and email address	
WG2 – Harmonisation of individual monitoring	Phil Gilvin	phil.gilvin@phe.gov.uk
WG3 – Environmental dosimetry	Arturo Vargas	arturo.vargas@upc.edu
WG6 – Computational dosimetry	Hans Rabus	hans.rabus@ptb.de
WG7 – Internal dosimetry	Bastian Breustedt	bastian.breustedt@kit.edu
WG9 – Dosimetry in radiotherapy	Liliana Stolarczyk	lilsto@rm.dk
WG10 – Retrospective dosimetry	Liz Ainsbury	liz.ainsbury@phe.gov.uk
WG11 – High-energy radiation fields	Marco Caresana	marco.caresana@polimi.it
WG12 – Dosimetry in medical imaging	Željka Knežević	zknez@irb.hr

Working groups	Type of meeting	Day 1	Day 2 *(if any)*	Day 3 *(if any)*
WG2 – Harmonisation of individual monitoring	**whole group**	**19/01/2021** 09:00-12:00		
WG3 – Environmental dosimetry	**whole group**	**02/02/2021** 10:00-11:00		
WG3.1 – *Spectrometry systems for environmental dosimetry*[1)]	*sub-group*	**28/01/2021** 10:00-12:00		
WG3.2 – *Passive environmental dosimetry*[1)]	*sub-group*	**28/01/2021** 15:00-17:00		
WG3.3 – *Radon*[1)]	*sub-group*	**29/01/2021** 10:00-12:00		
WG6 – Computational dosimetry	**whole group**	**27/01/2021** 13:00-18:00	**29/01/2021** 09:00-13:00	
WG7 – Internal dosimetry	**whole group**	**26/01/2021** 16:00-18:00	**27/01/2021** 09:00-12:00	**28/01/2021** 16:00-18:00
WG9 – Dosimetry in radiotherapy	**whole group**	**26/01/2021** 09:00-14:00		
WG9.1 – *Computational methods in medical physics*[1)]	*sub-group*	**28/01/2021** 09:00-14:00		
WG9.2 – *Hadron radiotherapy*[1)]	*sub-group*	**27/01/2021** 09:00-14:00		
WG10 – Retrospective dosimetry	**whole group**	**21/01/2021** 09:00-17:00		
WG11 – High-energy radiation fields	**whole group**	**25/01/2021** 09:00-17:30	**26/01/2021** 09:00-17:30	**27/01/2021** 15:00-17:30
WG12 – Dosimetry in medical imaging	**whole group**	**25/01/2021** 09:00-17:00		
Joint meeting WG9-WG11 – Experimental campaign in the Mevion facility in Maastricht	joint meeting	**26/01/2021** 14:00-17:00		
Joint meeting WG9-WG12 – Total doses in RT - OBI project	joint meeting	**29/01/2021** 14:00-17:00		
EURADOS/EANM meeting	joint meeting	**28/01/2021** 14:00-16:00		

[1)] The WG sub-group meetings are not part of the registration form in our online registration platform. If you would like to participate in a sub-group meeting, please directly contact the responsible WG Chairperson.

Agenda of the 33rd EURADOS General Assembly *(online event)*

3 February 2021 (9:00-13:00, UTC+1)

1. **Opening address**: Filip Vanhavere, 09:00-09:10

2. **Verification of the number of Voting Members present or represented**: Jean-François Bottollier-Depois, 09:10-09:15

3. **Acceptance of the Agenda**

4. **Chairperson's report**: Filip Vanhavere, 09:15-09:45

5. **Financial report 2020 and budget plan 2021**: Oliver Hupe, 09:45-10:05

6. **Report from financial auditors**: Veronika Olšovcová and Roger Harrison, 10:05-10:15

7. **Approval of financial report and discharge of the Extended Executive Board from liability**

8. **Presentation of EURADOS Young Scientist Awards and Grants**: Elena Fantuzzi, 10:15-10:30

9. **Break:** 10:30-10:45

10. **Presentation of ethical code, conflict of interest procedure and the proposed changes in the constitution**: Paola Fattibene, Bastian Breustedt, Jean-François Bottollier-Depois and Filip Vanhavere, 10:45-11:15

11. **Voting on new constitution**

12. **Presentation and election of New Voting Members**: 11:15-11:30

13. **Report of EURADOS Working Groups**: 11:30-12:50
    - a: WG2: Phil Gilvin
    - b: WG3: Arturo Vargas
    - c: WG6: Hans Rabus
    - d: WG7: Bastian Breustedt
    - e: WG9: Liliana Stolarczyk
    - f: WG10: Liz Ainsbury
    - g: WG11: Marco Caresana
    - h: WG12: Željka Knežević

14. **Closure and announcement of place and date of next General Assembly:** 12:50-13:00

All Voting Members are kindly invited to participate in this General Assembly, as well as, as usual, each EURADOS associate member.

14th EURADOS Winter School *(online event)*
'Foetal radiation risk: dose assessment in occupational, medical and emergency situations'

3 February 2021 (14:30-18:00 UTC+1) and 4 February 2021 (14:30-18:00 UTC+1)

Scope

It is well known that the developing conceptus (embryo or foetus) is highly radiosensitive, and the potential detrimental effects of ionising radiation on both the unborn child and breastfeeding infants are of particular concern in the context of radiation protection. Consequently, substantial efforts have been undertaken in ionising radiation research to improve our knowledge of dosimetry, radiation effects and risks from occupational, medical or public exposures of pregnant and breastfeeding women, and more generally of females of child-bearing age.

The International Commission on Radiological Protection (ICRP), the European Commission (EC) and the National Council on Radiation Protection and Measurements (NCRP), along with many other national organisations have developed guidance on radiation risks following prenatal (in-utero) irradiation, including practical recommendations on in-utero medical exposures, and dose coefficients for the embryo/fetus. In addition, there is a significant body of scientific literature reviewing experimental animal data on the in-utero effects of radiation and evaluating human studies concerning the in-utero risk of cancer induction and effects on the developing brain.

The Winter School will present an overview of our current understanding of the scientific evidence for radiation risks and potential outcomes, including congenital malformations, growth retardation, loss of pregnancy, mental retardation and cancer risks to the unborn child and pregnant patient. Ionising radiation from all sources will be presented with additional focus on specific situations such as exposure to pregnant workers, medical exposures (radiotherapy and diagnostic imaging) and emergency situations. The assessment of effective dose and committed effective dose as well as the protective measures to mitigate risk to all developmental stages from conceptus to the breastfed infant will be discussed. Finally, counseling and communicating the risk to a pregnant woman, along with examples of situation in various European countries will be presented.

All lectures will be given by internationally well-known scientists who are involved in the field. Participants will receive a certificate of attendance. EURADOS will apply for the event accreditation through the European Board for Accreditation in Medical Physics (EBAMP).

Topics

- Epidemiology & Biological effects
- External and internal dosimetry
- Occupational and medical exposures
- Emergency situations
- International and national recommendations
- Radiation related risk communication

Scientific Committee

- Eleftheria Carinou (Greek Atomic Energy Commission – EEAE, Greece)
- Augusto Giussani (Federal Office for Radiation Protection – BfS, Germany)
- Una O'Connor (St. James's Hospital – SJH, Ireland)
- Jelena Pajić (Serbian Institute of Occupational Health – SIOH, Serbia)
- Liliana Stolarczyk (Danish Centre for Particle Therapy – DCPT, Denmark and Cyclotron Centre Bronowice - CCB IFJ PAN, Poland)

Programme of the 14th EURADOS Winter School 'Foetal radiation risk: dose assessment in occupational, medical and emergency situations'

Topic	Speaker
Wednesday 3rd of February 2021: 14:30-18:00 UTC+1	
Historical context and epidemiological data	**Richard Wakeford** UMAN/ICRP (UK)
Biological effects and genetics	**Kimberly Applegate** UKY/ICRP (USA)
Assessment of doses to embryo and foetus after incorporation of radionuclides	**Sigrid Leide-Svegborn** SUS (Sweden)
Assessment of doses to embryo and foetus - external dosimetry	*speaker to be confirmed*
Radiation exposure of pregnant patients and pregnant employees in imaging departments: An overview of regulations and recommendations	**John Damilakis** UoC (Greece)
Thursday 4th of February 2021: 14:30-18:00 UTC+1	
Radiologists perspective on protection of the foetus in a paediatric hospital	**Aisling Snow** CHI (Ireland)
Medical Physics Expert perspective on protection of the foetus in an adult diagnostic imaging hospital	**Geraldine O'Reilly** SJH (Ireland)
Cancer treatment during pregnancy	**Frédéric Amant** UZ Leuven/INCIP (Belgium)
Radiotherapy during pregnancy	**Marijke De Saint-Hubert** SCK CEN (Belgium)
Round table discussion[1)], including presentation of approaches in different countries	**Holger Klammer**, BfS (Germany) **Geraldine O'Reilly**, SJH (Ireland) **Sotirios Economides,** EEAE (Greece) **Jelena Pajić**, SIOH (Serbia) **Dario Faj**, UNIOS (Croatia) **An Fremout**, FANC (Belgium)

[1)] *We would like to have audience input on the round-table discussion. Please submit your questions or topics in advance to the Course Co-ordinator at* ***office@eurados.org****.*

REGISTRATION

Registration is free of charge, but it is mandatory.

It should be done online at www.eurados-registration.org

- before 11 January 2021 for WG meetings and General Assembly,
- before 25 January 2021 for Winter School.

The registration platform will be available from 23 November 2020.

A certificate of participation to the Winter School may be requested free of charge in the registration form. The certificate will be sent by e-mail in the second week of February 2021.

CONNECTION INSTRUCTIONS

All meetings will be performed online with Microsoft Teams and BigMarker.
Specific instructions for the connection will be sent by email to each registered participant.

INDUSTRY EXHIBITION

Industry partners who would like to present their companies and products in an online presentation during this Annual Meeting should indicate their interest by e-mail to office@eurados.org. Time slots for slide shows of up to 5 min are foreseen at the beginning and during the breaks of the Winter School and General Assembly on 3 and 4 February 2021.

EURADOS Office Contact

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EURADOS Sponsors

EURADOS acknowledges financial support from the following institutions:

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HelmholtzZentrum münchen German Research Center for Environmental Health	Helmholtz Zentrum München GmbH
IAEA International Atomic Energy Agency *Atoms for Peace and Development*	International Atomic Energy Agency
INSTYTUT FIZYKI JĄDROWEJ IM. HENRYKA NIEWODNICZAŃSKIEGO POLSKIEJ AKADEMII NAUK	Institute of Nuclear Physics
INFN Istituto Nazionale di Fisica Nucleare	Istituto Nazionale di Fisica Nucleare
IPOPORTO INSTITUTO PORTUGUÊS DE ONCOLOGIA DO PORTO FG, EPE	Instituto Portugues de Oncologia do Porto
IRSN INSTITUT DE RADIOPROTECTION ET DE SÛRETÉ NUCLÉAIRE	Institut de Radioprotection et de Sûreté Nucléaire

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RadPro International GmbH ...Radiation Protection for the Radiation Professionals...	RadPro International
RB	Ruđer Bošković Institute
SEIBERSDORF LABORATORIES	Seibersdorf Laboratories
sck cen	Studiecentrum voor Kernenergie (Belgian Nuclear Research Centre)
stuk	STUK – Radiation and Nuclear Safety Authority
SÚRO	SURO - National Radiation Protection Institute
Strål säkerhets myndigheten Swedish Radiation Safety Authority	Swedish Radiation Safety Authority

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IMPRINT

Information in accordance with Section 5 TMG

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Register entry
Entry in: Vereinsregister
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